



COMMONWEALTH of VIRGINIA

Department of Health DIVISION OF SHELLFISH SANITATION

109 Governor Street, Room 614-B
Richmond, VA 23219

Ph: 804-864-7487

Fax: 804-864-7481

CARTER CREEK Growing Area # 020 Lancaster County Shoreline Sanitary Survey

Date: 25 February 2008

Survey Period: February 9, 2007 – January 25, 2008

Total Number of Properties Surveyed: 1243

Surveyed By: D.B. Geeson, W.A. McCarty, and R.M. Thomas

SECTION A: GENERAL

This survey area extends from Reference Point 20 at Crab Point to Reference Point 21 at Orchard Point, including the Rappahannock River shoreline between these two points, Carter Creek, Yopp's Cove, Eastern Branch (Jack's Cove, James' Cove, Currell Cove, Dunton Cove, Old Mill Cove, Sam's Cove, Bridge Cove), Church Prong, Dead and Bones Cove, Carter Cove and all of their tributaries. The survey boundary has been revised. See map for current boundary.

The topography of the area varies from 10' or less along the shoreline to a maximum of 80' near the northern edge of the survey boundary. Population density is sparse to moderate, with heavier concentrations in and around the communities of White Stone, Irvington, and Weems. The economy is based primarily on service-oriented businesses and the seafood industry.

Meteorological data indicated that the area received a total rainfall of 37.23" for the survey period. A monthly breakdown is as follows:

February 9-28, 2007	1.71"	June	3.64"	October	8.64"
March	2.25"	July	2.01"	November	1.14"
April	6.11"	August	3.92"	December	4.12"
May	1.64"	September	0.67"	January 1-25, 2008	1.38"

There are several industrial waste facilities from the previous survey that are no longer in business. They are properties #C143 (J. Henry Talbott Seafood), #C146 (Abbott Brothers Seafood), and #C176 (W.F. Morgan and Sons). Tides Inn, Tides Lodge, and Rappahannock Westminster- Canterbury are all served by their own sewage treatment facilities (STF's). The remaining properties within the survey are served by individual onsite sewage disposal systems.

The current restrictions on shellfish harvesting are Condemned Shellfish Area #020-041, Carter Creek, revised 25 September, 2007. A copy of the current condemnation notice and map is attached to the back of this report. Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "***DIRECT***" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

4. Rappahannock Westminster – Canterbury STF (Ed Furehrer), 132 Old Salem Road, Irvington, VA 22480. Business – retirement complex. 800 employees/residents. VPA Permit # VPA01401. Design flow .05 MGD. Treatment consists of an influent wet well, 2 aerated lagoons operated in a series and a chlorine contact tank. Effluent is pumped to a 14.5 acre spray application field. The most recent DEQ/OWP inspection report is attached.
11. ***DIRECT*** – The Tides Utility, LLC South STW (formally The Tides Inn STP), 480 King Carter Drive, Irvington 22480. Business – resort hotel/marina. 200 employees. VPDES Permit # VA 0029351. Design flow 0.05 MGD. Treatment consists of pretreatment facilities, an influent surge tank, duplex sequencing batch reactors, a decant equalization tank, a chlorine contact tank with tablet chlorination and dechlorination, a post aeration unit and flow measurement. Final effluent discharges into Carters Creek. The biosolids generated at this facility are stabilized by an aerobic digester and taken to Henrico County for disposal. The most recent OWP/DEQ inspection report (5/31/07) is available upon request.
20. ***DIRECT*** – The Tides Utilities, LLC North STW (formerly The Tides Lodge STW), 64 Waterview Point Lane, Weems 22576. Business - homeowners association/marina. No contact. VPDES Permit # 0029343. Design flow .0325 MGD. Treatment consists of a comminutor, surge tank, contact tank, stabilization tank, 2 clarifiers operated in series, an aerated polishing pond and a chlorine contact tank. Final effluent discharges to Ashburn Cove, a tributary of Carter's Creek. The most recent OWP/DEQ inspection report (5/29/07) is available upon request.

ON-SITE SEWAGE DEFICIENCIES

- 3.CONTRIBUTES POLLUTION – Location: 636 Rappahannock Drive, White Stone, VA 22578. Business – convenience store. Owner: John P. Thompson & Trustees % Tax. Box 711, Dallas, TX 75221. 1 story brick and block. Effluent erupting to ground surface with broken clean-out cap. Sanitary Notice issued 06/22/07 to field # A-168. Tax Map # 34A-12A.
10. CONTRIBUTES POLLUTIONS – Location: 389 Weems Road, Weems 22576. Dwelling – 1 story beige and light brown house trailer. Lid to septic tank broken Exposing contents. Sanitary notice issued 5/9/07 to field # B-22.
17. NO FACILITIES, ***DIRECT*** – Location: 531 Greentown Road, Weems 22576. Dwelling – 1½ story white with black trim. Sanitary Notice issued 1/25/08 to field # C366.

18. NO FACILITIES, ***DIRECT*** – Location: 37 Levering Lane, Weems 22576. Dwelling - 1 story gray frame with white trim. Sanitary Notice issued 1/25/08 to field # C364.
19. CONTRIBUTES POLLUTION – Location: 389 Gaskins Road, Weems 22576. Dwelling – 1½ story white vinyl. Effluent erupting to ground surface. Sanitary Notice issued 12/27/07 to field # C334.

POTENTIAL POLLUTION

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

6. Treacle and Christopher, 73 Seafood Lane, Irvington 22480. Owners: John Christopher, PO Box 156, Irvington 22480. Business – bulk oil distributor. 6 employees. Observed onsite were 5x20,000 gallon, 2x17,000 gallon, 1x82,000 gallon and 2x9000 gallon tanks containing heating oil and gasoline. All of the tanks were inside a concrete berm. Any run-off from this facility is collected in a holding tank equipped with oil/water separators.
23. Ampro Shipyard, Incorporated, 25 Shipyard Lane, Weems 22576. Owner: American Proteins, Incorporated, PO Box 2056, Kilmarnock 22482. Business – boat repair facility. 10 employees. Observed onsite was 1x500 gallon unleaded fuel tank, 1x1000 gallon diesel fuel tank, 1x250 gallon diesel fuel tank and 1x150 gallon kerosene tank inside a concrete berm.
24. ***DIRECT*** – W. Ellery Kellum Seafood, 96 Shipyard Lane, Weems 22576. Owner: Tommy Kellum, Weems 22576. Business - shellfish shucker packer (VA 15 SP). 35 employees. Processing and washdown waste discharge into Carter's Creek. Has Permit # VAG524035 from the Department of Environmental Quality.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

7. Custom Yacht Service, Inc., 96 Seafood Lane, Irvington 22480. Owner: Lester Potter, PO Box 549, Irvington 22480. Boat docking facility. 4 employees. 12 slips/ moorings available. Boating services provided are water and electricity and repair. Containers are provided for solid waste collection. Sanitary facilities provided are 1 commode and 1 lavatory for men and 1 commode and 1 lavatory for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are available at this location. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities.
8. Gaskins Pier, 349 Steamboat Lane, Irvington 22480. Owner: Marshall D. Gaskins, PO Box 157, Irvington 22482. Boat docking facility. No contact. 16 slips/moorings available. Boating services provided are electricity and in-out ramp. Containers are not provided for solid waste. There are no sanitary facilities, portable toilet dump station facilities or boat holding tank pump-out facilities at this location.

11. The Tides Inn Marina, 480 King Carter Drive, Irvington 22480. Owner: Carters Creek Management, Irvington. Private marina. 3 employees. 20 slips/moorings available. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 2 lavatories and 2 showers for men; and 1 commode, 2 lavatories and 2 showers for women. Sewage disposal is to an on-site wastewater treatment plant. Portable toilet dump station facilities and boat holding tank pump-out facilities are available at this location.
12. Doctor Foster pier, off State Route 634, Irvington 22480. Owners: Merit W. and Mary N. Foster, 2030 Oxford Circle, Richmond 23220. Private pier. No contact. 8 slips/moorings available. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 privy for men and 1 privy for women; and restrooms providing 1 commode and 1 urinal for men and 1 commode and 1 lavatory for women. Privies are used as portable toilet dump stations. There are no holding tank pump-out facilities available at this location.
13. Crocketts Landing, off State Route 634, Irvington 22480. Owner: Carroll Davies, PO Box 422, Urbanna 23175. Commercial marina. 2 employees. 12 slips/ moorings available. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode for men and 1 commode for women. There is also 1 unisex shower available. Sewage disposal is by septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are available at this location. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities.
14. Irvington Marina, end of State Route 633, Irvington 22480. Owner: Andy Wylie, PO Box 189, Irvington. Commercial marina. 4 employees. 47 slips/mooring available. Boating services provided are water, electricity, repair and an in-out ramp. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 1 urinal, 1 lavatory and 1 shower for men; and 1 commode, 1 lavatory and 1 shower for women. Sewage disposal is to septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. The portable toilet dump station was overgrown with vegetation and covered with scrap metal and was not accessible. The pump to the boat holding tank pump-out facility was inoperable and the owner reported that boaters using his marina were instructed to use pump-out facilities at The Tides Inn Marina.
15. Rappahannock Yachts, Incorporated, off State Route 657, Irvington 22480. Owner: Bruce Saunders, PO Box 220, Irvington. Commercial marina. 18 employees. 40 slips/moorings available. Boating services provided are water, repair and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 1 lavatory and 1 shower for men; and 1 commode, 1 lavatory and 1 shower for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are not provided. Boat holding tank pump-out facilities are available at this location.
16. Rappahannock River Yacht Club, off State Route 657, Irvington 22480. Owner: Commodore Rappahannock River Yacht Club, PO Box 55, Irvington. Dock Master: Kent White. Private yacht club. No contact. 29 slips/moorings available. Boating services provided are water, electricity and an in-out ramp. Containers are available for solid waste collection. Sanitary facilities provided are 2 commodes, 2 urinals, 3 lavatories and 2 showers for men; and 2 commodes, 2 lavatories and 2 showers for women. Sewage disposal is to septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are available at this location. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities.

21. The Tides Lodge Marina, 64 Binnacle Lane, Weems 22576. Owner: Carters Creek Management, Irvington. Private marina. No contact. 45 slips/moorings available. Boating services provided are fuel, water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 3 commodes, 2 urinals, 2 lavatories and 2 showers for men; and 3 commodes, 2 lavatories and 2 showers for women. Sewage disposal is to an on-site wastewater treatment plant. Portable toilet dump station facilities are not provided. Boat holding tank pump-out facilities are available at this location.
23. Ampro Shipyard, Incorporated, 25 Shipyard Lane, Weems 22576. Owner: American Proteins, Incorporated, PO Box 2056, Kilmarnock 22482. Business: Boat repair facility, 10 employees. 4 slips/moorings available. The only boating Service provided is repair. Containers are available for solid waste collection. Sanitary facilities provided are 4 commodes, 3 urinals, 3 lavatories and 1 shower for men; and 1 commode and 1 lavatory for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are not provided. Boat holding tank pump-out facilities are available at this location.
25. Carters Cove Marina, 347 Carters Cove Drive, Weems 22576. Owner: Maritime Investment Group, Weems. Commercial Marina. No contact. 35 slips/moorings available. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 2 commodes, 2 lavatories, and 1 shower for men; and 2 commodes, 2 lavatories and 1 shower for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable dump station facilities and boat holding tank pump-out facilities are available at this location.
26. Carters Cove Boat Haven, 67 Spencer Lane, Weems 22576. Owner: Scott Turpin, 1270 Rockland Ave NW, Roanoke, 24012, Private boat docking facility. No contact. 15 slips/mooring available. Boating services provided are water and electricity. Containers are available for solid waste collection. There are no sanitary facilities, portable toilet dump station facilities or boat holding tank pump-out facilities provided at this location.
27. Sunset cove Boat House, 4084 Weems Road, Weems 22576. Owner: Anita Cook, PO Box 51, Irvington 22480. Private boat docking facility. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode and 1 lavatory for men; and 1 commode and 1 lavatory for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are provided at this location. There are no boat holding tank pump-out facilities available at this location.

OTHER PLACES WHERE BOATS ARE MOORED

2. Irvington Packing Company, 1925 Yopps Cove Road, White Stone, 22578. Boat docking facility. No contact. 10 slips/moorings available. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode for men and 1 commode for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. There are no portable toilet dump station facilities available at this location. Owner has exemption to the requirement to provide boat holding tank pump-out facilities.

9. Location: 380 Steamboat Lane, Irvington 22480. Private pier. 10 slips/moorings. Boating services provided are electricity and water. Containers are available for solid waste collection. There are no sanitary facilities or portable toilet dump station facilities provided at this location. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities.
24. W. Ellery Kellum Seafood, 96 Shipyard Lane, Weems 22576. Owner: Tommy Kellum, Weems. Business - oyster processing plant. 35 employees. 15 slips/moorings available. The only boating service provided is electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 2 urinals, and 1 portable toilet for men; and 1 commode and 1 privy for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Privy is used as a portable toilet dump station. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities at this location.

UNDER SURVEILLANCE

1. End of State Route 766, White Stone 22578. Private pier. 7 slips/moorings available. There were no boats present at time of survey. Boating services provided are water and electricity. There are no containers for solid waste collection, sanitary facilities, boat handling tank pump-out facilities or portable toilet dump station facilities at this location. Recommend that this location be removed from the Under Surveillance List.
22. Mrs. Walter Abbott and Wayne O. Abbott pier, 1109 Johns Neck Road, Weems 22576. Private pier. No contact. 11 slips/moorings available. There are no boating Services, containers for solid waste collection, sanitary facilities, portable toilet dump station facilities or boat holding tank pump-out facilities available at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

5. Breezewood Farms, 3839 Irvington Road, Irvington 22480. Horse riding/stables boarding. 1 story brick rancher with beige trim. Present at time of survey were 8 horses in a fenced pasture. Manure is left on ground.

SUMMARY

Area # 020
Carter Creek
25 February 2008

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

2 – DIRECT – # 11, 20
1 – INDIRECT – # 4
3 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES – Correction of the deficiencies in this section is the responsibility of the local health department.

2 – CONTRIBUTES POLLUTION, DIRECT – # 17, 18
3 – CONTRIBUTES POLLUTION, INDIRECT – # 3, 10, 19
0 – CP (Kitchen or Laundry Wastes), DIRECT – None
0 – CP (Kitchen or Laundry Wastes), INDIRECT – None
0 – NO FACILITIES, DIRECT – None
0 – NO FACILITIES, INDIRECT – None
5 – B.2 TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

0 – POTENTIAL POLLUTION – None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

1 – DIRECT – # 24
2 – INDIRECT – # 6, 23
3 – C.1. TOTAL

2. SOLID WASTE SITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

13 – MARINAS – # 7, 8, 11, 12, 13, 14, 15, 16, 21, 23, 25, 26, 27
3 – OTHER PLACES WHERE BOATS ARE MOORED – # 2, 9, 24
2 – UNDER SURVEILLANCE – # 1, 22
18 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

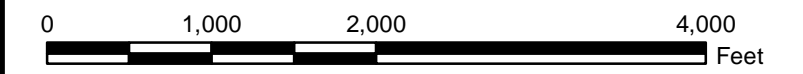
0 – DIRECT – None
1 – INDIRECT – # 5
1 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Carter Creek
020
Shoreline Sanitary Survey

Lancaster County

Date: 25 February 2008
Survey By: D.B. Geeson, R.M. McCarty & R.S. Thomas
Number of Properties Surveyed: 1243



Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps
- Shoreline Survey Deficiencies
 - Sewage Treatment Facility - Direct
 - Sewage Treatment Facility - Indirect
 - Contributes Pollution - Direct
 - Contributes Pollution - Indirect
 - Contributes Pollution (Kitchen or Laundry wastes) - Direct
 - Contributes Pollution (Kitchen or Laundry wastes) - Indirect
 - No Facilities - Direct
 - No Facilities - Indirect
 - Potential Pollution
 - Industrial Wastes, Direct
 - Industrial Wastes, Indirect
 - Solid Waste Dumpsite - Direct
 - Solid Waste Dumpsite - Indirect
 - Boating Activity
 - Contributes Animal Pollution - Direct
 - Contributes Animal Pollution - Indirect